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PREVALENCE OF COMMUNICABLE DISEASES.

DIPHTHERIA, MEASLES, POLIOMYELITIS, ROCKY MOUNTAIN SPOTTED (OR TICK) FEVER, SCARLET FEVER, SEPTIC SORE THROAT, TUBERCULOSIS, TYPHOID FEVER, TYPHUS FEVER, AND SMALLPOX—CASES REPORTED, CASE RATES PER THOUSAND POPULATION, AND FATALITY RATES PER HUNDRED CASES DURING THE YEAR 1912 AND THE FIRST SIX MONTHS OF 1913, IN CERTAIN STATES.

[Compiled by direction of the Surgeon General.]

On the 1st of August, 1913, a letter was sent to the executive health officers of the several States and Territories requesting a statement regarding the number of cases of certain diseases notified in their respective jurisdictions during the calendar year 1912 and the first six months of 1913. With the letters were included blanks for transmitting the data. These blanks were filled out and returned by a considerable number of States, presumably by all of those having the data available. The reports received from the States have been compiled and the case rates per 1,000 population per annum and the fatality rates per 100 cases have been computed. The reports compiled, by diseases, will be found in tabular form on pages 118 to 127.

The States and Territories forwarding reports were Arizona, Connecticut, the District of Columbia, Hawaii, Illinois, Indiana, Iowa, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Jersey, New York, Oklahoma, Oregon, Pennsylvania, Utah, Virginia, and Wisconsin.

The fatal cases (deaths) recorded for Kansas were taken from a report furnished by the State registrar of vital statistics for all the diseases except cerebrospinal meningitis and poliomyelitis. The numbers of deaths from these two diseases were taken from the report of the State health officer. The numbers of fatal cases (deaths) for the other States were furnished by the health departments.

The populations used in computing case rates for the year 1912 were the estimated populations as of July 1, 1912, furnished by the Director of the Census. The populations used in computing the rates for the first six months of 1913 were similarly estimated populations as of April 1, 1913.

Diphtheria.

1912.

The greatest relative numbers of cases of diphtheria were reported in New York State, where there were 1.904 cases reported for each 1,000 inhabitants; in Illinois, where there were 1.898; in Connecticut,

1.758; in Indiana, 1.667. The possibility must be borne in mind that in some of these States at least the apparently high incidence of the disease may be due to the more complete reporting of cases and not to an actual greater prevalence.

Comparing the reported cases and deaths, the case fatality rate was highest in Arizona, where it was 20 per cent. This high rate may have been due to an incomplete reporting of the cases rather than to an unusual virulence of the disease. The next highest case fatality rate was in Kansas, where it was 16.92 per cent. The lowest rates were those of the District of Columbia, with 3.81 per cent, and of Virginia, with 3.2 per cent. These low rates would indicate either an unusually complete notification of cases or a lesser virulence than that common throughout many sections of the country. The next lowest rate was that of Utah, with 7.31 per cent.

In considering the meaning of these case fatality rates it is to be kept in mind that if the death registration and the reporting of cases are of equal relative completeness and accuracy, the fatality rates here given represent the true fatality rates; if the death registration is more complete and accurate than the reporting of cases, these rates are higher than the true rates; if the reporting of cases is more complete and accurate than the registration of deaths and their causes, then the fatality rates are lower than the actual rates.

These remarks apply to the rates not only of diphtheria, but to those of the other diseases as well.

JANUARY-JUNE, 1913.

During the first six months of 1913 the highest case rates per annum per 1,000 inhabitants were reported from New York, with 2.36 cases; New Jersey, with 2.144; Connecticut, with 2.082. The lowest case rates were those from Oklahoma, with 0.294; Montana, with 0.322; and Kansas, with 0.344.

The highest fatality rates were those of Kansas, with 28.71 per cent; Iowa, with 17.4 per cent; Oklahoma, with 15.9 per cent; and Indiana, with 15.47 per cent. The lowest fatality rates were those of Virginia, with a rate of 4.73 per cent; the District of Columbia, with 5.46 per cent; and Oregon, with 6.04 per cent.

Measles.

1912.

The highest case rates per 1,000 inhabitants were reported from Utah, with a rate of 7.892; New York, with a rate of 6.854; and Massachusetts, 6.421.

The highest case fatality rates were reported in Minnesota, with a rate of 4.08 per cent; Oklahoma, with a rate of 4.01 per cent; and Michigan, with a rate of 3.38 per cent. The apparently high fatality rate in Minnesota and Oklahoma may have been due to an incomplete reporting of cases, as the case rates appear very low in both of these

States, being 0.227 in Minnesota and 0.282 in Oklahoma. The same may have been true in Michigan, which had a case rate below the average. The lowest case fatality rates were those of Utah, with a rate of 0.35 per cent; the District of Columbia, with a rate of 0.42 per cent; Maryland, with a rate of 1.20 per cent; and Massachusetts, with 1.27 per cent. It is quite probable that these low case fatality rates indicate an unusually complete notification of cases rather than a lower virulence of the disease. If this is so the case fatality rates in these States probably approach the actual case fatality rates not only in these States but elsewhere as well, and wherever the disease is well reported similarly low fatality rates will probably be found. These rates of between 0.35 and 1.27 per cent are of interest as compared with the fatality rates given in some medical textbooks and manuals, in which the fatality rate of measles is not infrequently stated to be from 5 to 50 per cent, with an occasional intimation that milder outbreaks do sometimes occur. These statements of high fatality rates in the medical literature are undoubtedly the result of hospital experience, which, in view of the reports here discussed, would appear to be rather unusual. The average case fatality rate of measles in this country has apparently for some years been below 1 per cent, very probably even lower than the lowest of the rates here referred to, i. e., that of Utah, 0.35 per cent.

JANUARY-JUNE, 1913.

The highest case rates during the first 6 months of 1913 were reported from Utah, with an annual rate of 52.474 cases per 1,000 population; the District of Columbia, with a rate of 32.48; and Massachusetts, with a rate of 14.558. The lowest rates were from Hawaii, with 1.156 cases; and Oregon, with 1.428 cases, per 1,000 population.

The highest fatality rates were again in Minnesota, with 3.06 per cent; Oklahoma, with 2.48 per cent; and Michigan, with 2.4 per cent. The lowest fatality rates were in Oregon, with 0.37 per cent; the District of Columbia, with 0.4 per cent; and Montana, with 0.71 per cent.

Poliomyelitis.

1912.

The greatest numbers of cases of poliomyelitis were in New York State, where there were 1,108 cases notified; in Illinois, 480 cases; Virginia, 229; and Massachusetts, 169.

The highest case rates were in New York, with a rate of 0.116 per 1,000 inhabitants; and Virginia, with a rate of 0.108.

The highest fatality rates were reported in Maryland (exclusive of the city of Baltimore), with a rate of 50 per cent; Iowa, with a rate of 48.05 per cent; Massachusetts, with a rate of 44.97 per cent; Indiana, with a rate of 44.56 per cent; District of Columbia, with a rate of 44.44 per cent; and Oklahoma, with a rate of 42.85 per cent. These

high fatality rates undoubtedly indicate an incomplete reporting of cases rather than a high virulence of the disease. The lowest fatality rates were those of Virginia, with a rate of 10.48 per cent; Illinois, with a rate of 11.66 per cent; Kansas, with a rate of 15.55 per cent; and New York, with a rate of 16.24 per cent.

JANUARY-JUNE, 1913.

During the first 6 months of 1913 the greatest numbers of cases reported per annum were from Virginia, where there were 108 cases notified; New York, 79 cases; Massachusetts, 21 cases; Indiana, 20 cases; New Jersey, 19; Pennsylvania, 17; and Wisconsin, 11. Fatality rates varied from 72.72 per cent in Wisconsin and 70 per cent in Indiana to 48.1 per cent in New York, 42.85 in Kansas, and 32.4 in Virginia.

Rocky Mountain Spotted (or Tick) Fever.

Reports were forwarded of 9 deaths from Rocky Mountain spotted fever during the year 1912. Eight of these occurred in Montana and 1 in the District of Columbia in a person who had received his infection in Montana. The cases occurred 3 in May, 3 in June, and 1 each in July, August, and September.

During the first 6 months of 1913 9 deaths were reported, 7 in Montana and 2 in Oregon. Of these 9 deaths, 1 occurred in March, 3 in April, 2 in May, and 3 in June. In addition to these, 1 case was reported in the State of New York.

Scarlet Fever.

1912.

The highest case rates per 1,000 inhabitants were reported from Utah, with a rate of 2.592; Illinois, with a rate of 2.051; New York, with a rate of 1.963. It may be that these higher rates are not in all cases due to a greater prevalence of the disease but to a more complete reporting of the cases. The lowest rates were reported from Hawaii, with a rate of 0.093; Iowa, with a rate of 0.361; and Oklahoma, with a rate of 0.466.

The highest fatality rates were 11.11 per cent in Hawaii, 8.90 per cent in Arizona, and 8.34 per cent in Wisconsin. These high fatality rates may have been due to a more complete reporting of deaths than of cases. The lowest case fatality rates were in the District of Columbia, with 1.54 per cent; Utah, with 1.75 per cent; and Maryland (exclusive of the city of Baltimore), 1.8 per cent. In Virginia there were 2,231 cases reported and only 2 deaths. This gives a case rate per 1,000 population of 1.058 and a case fatality rate of less than one-tenth of 1 per cent. Very probably this shows, as regards scarlet fever, a more complete and accurate notification of cases than of deaths and their causes.

JANUARY-JUNE, 1913.

The higher case rates per annum per 1,000 inhabitants were from Connecticut, with 3.112; Montana, with 2.962; Massachusetts, with

2.814; New York, with 2.642, and Utah with 2.638. The lowest rates were from Hawaii, with 0.04; Arizona, with 0.226; Iowa, with 0.574.

The highest case fatality rates were in Hawaii, with 25 per cent; Arizona, with 15.46 per cent; Montana, with 11.36 per cent; Iowa, with 7.66 per cent; Michigan, with 7.36 per cent; and Wisconsin, with 7.3 per cent. These reports probably indicate an incomplete reporting of cases rather than an unusual virulence. The lowest rates were in Virginia, with 0.29 per cent; Oklahoma, with 1.14 per cent; Utah, with 1.50 per cent; and Maryland, with 1.91 per cent.

Septic Sore Throat.

Reports from Oklahoma gave 11 deaths reported from septic sore throat during 1912 and 8 during the first six months of 1913. Reports from Maryland (exclusive of the City of Baltimore) gave 3 cases, with 1 death, notified during the first six months of 1913. Two cases were reported in Massachusetts during October, 1912.

Tuberculosis.

1912.

The highest case rates per 1,000 population were 4.338 in Maryland (exclusive of the City of Baltimore), 3.632 in the District of Columbia, 3.204 in New York, 2.522 in Hawaii, and 2.289 in Massachusetts. The lowest reported rates were 0.582 in Oklahoma, 0.624 in Kansas, 1.44 in Pennsylvania, and 1.494 in Connecticut. The States giving the higher case rates do so very probably, in some instances at least, because of the more complete reporting of cases rather than that the disease is more prevalent within their borders. This is suggested particularly by the fact that the State (Maryland) with the highest case rate (4.338) had next to the lowest number of deaths reported per hundred cases—i. e., 32.03 deaths for each hundred cases. These figures for Maryland are for the State exclusive of the City of Baltimore, and they indicate that cases of tuberculosis are, relatively speaking, well reported in Maryland. In the States with the lowest case rates the notification of cases was undoubtedly much less complete.

Virginia had 31.03 deaths reported for each hundred cases, Michigan had 42.48, New York had 51.74, Massachusetts had 63.37, District of Columbia had 67.22, Oklahoma had 70.06, Hawaii had 71.07, Connecticut 79.13, and Kansas 83.44. The high case fatality rates and the low case rates indicated by the Connecticut and Kansas figures are without doubt the result of an incomplete reporting of cases and have no other significance.

JANUARY-JUNE, 1913.

During the first six months of 1913 the highest case rate per annum per 1,000 inhabitants was reported from Maryland (exclusive of the city of Baltimore) with a rate of 4.612. The States reporting

the lowest number of deaths for each 100 cases were Virginia, with 29.36; Maryland, with 34.41; New York, with 52.85; and New Jersey, with 53.73.

Typhoid Fever.

1912.

The highest case rates per 1,000 population were reported from the State of Maryland (exclusive of the city of Baltimore), with a rate of 2.387; Virginia, with a rate of 2.054; District of Columbia, 1.706; Utah, 1.39; and Oklahoma, 1.372. The lowest rates, which probably indicate to some extent an incomplete reporting of cases rather than anything else, were from Minnesota, with a rate of 0.406; Wisconsin, with a rate of 0.42; and Oregon, with a rate of 0.475.

The lowest case fatality rates were reported from Virginia, with a rate of 6 per cent; Utah, with a rate of 10.38 per cent; Maryland (exclusive of the city of Baltimore), 12.75 per cent; and Massachusetts, 12.88 per cent. The highest case fatality rates, indicating to some extent an incomplete reporting of cases rather than an undue virulence of the disease, were from Wisconsin, with a rate of 28.99 per cent; Kansas, with a rate of 27.95 per cent; Minnesota, with a rate of 26.68 per cent; Oregon, with a rate of 24.64 per cent; Hawaii, with a rate of 22.59 per cent; and Indiana, with a rate of 22.56 per cent.

JANUARY-JUNE, 1913.

The highest case rates per annum per 1,000 population for the first six months of the year 1913 were from Connecticut, with a rate of 1.654; Virginia, with a rate of 1.518; and Maryland (exclusive of the city of Baltimore), with a rate of 1.634. The lowest case rates were from Kansas, with a rate of 0.178; and Wisconsin, with a rate of 0.238, due undoubtedly to incomplete notification.

The lowest case fatality rates were reported for this period from Virginia, with a rate of 4.09 per cent; Utah, with a rate of 8.88 per cent; and Maryland (exclusive of the city of Baltimore), with a rate of 12.84 per cent. The highest case fatality rates were from Kansas, with a rate of 53.50 per cent; Wisconsin, with a rate of 38.4 per cent; Indiana, with a rate of 32.27 per cent; Michigan, with a rate of 27.85 per cent; Hawaii, with a rate of 26.89 per cent; and Minnesota, with a rate of 24.54 per cent. These high fatality rates probably indicate an incomplete reporting of the cases rather than an undue virulence of the disease.

Epidemiologists usually consider that typhoid fever has a case fatality rate of 10 per cent; that is, that there are probably 10 cases for each death. It will be noted that in Utah during the first six months of 1913 the fatality rate was 8.88 per cent, there being $11\frac{1}{4}$ cases reported for each death, and that in Virginia the fatality rate was 4.09, there being over 24 cases reported for each death. Both of these States belong to the registration area of the Census Bureau

for mortality statistics, and therefore the deaths are presumably fairly accurate. If in these States the cases have not been reported with as great completeness as the deaths, then these rates, low as they are, are higher than the actual rates.

Typhus Fever.

One death from typhus fever was reported from the State of New York during the year 1912 and four deaths were reported in the State of Oklahoma during the same period. During the first six months of 1913 one death was reported in Oklahoma.

Smallpox.

1912.

On the whole, cases of smallpox are probably as completely reported as are those of any other disease. The data in the smallpox table on page 122 is made up not only from the reports received from the States from which the other tables were compiled, but also from information received during the year in reports made to the bureau. The smallpox table, therefore, will be found to include more States than are contained in the other tables.

The highest case rates were from the following States: Utah, with a rate of 6.836 per 1,000 population; Washington, with a rate of 1.121; Minnesota, with a rate of 1.079; Wyoming, with a rate of 1.032; and Florida, with a rate of 1.022. It is quite possible, even probable, that some of the States from which reports have not been received had a more extensive prevalence of smallpox than any of the States in the table, so that the figures here given must not be taken to show that the sanitary conditions are on a lower plane, or that the prevalence of the disease is greatest, in the States for which this data is given. Indeed it would be perfectly proper to assume that the fact that these States require the reporting of cases and keep careful records, indicates that they are on a higher sanitary plane, with more efficient health departments, than are the States which have been unable to furnish the data.

The fatality rates given by the several States are of interest in showing the localities in which the disease has been uniformly of the prevalent mild type and the States where there have been virulent outbreaks. The highest fatality rates were from New Jersey, with a rate of 20 per cent; Texas, with a rate of 17.57 per cent; and Arizona, with a rate of 15.78 per cent. The two latter States owe the virulence of the disease to infection imported from Mexico. The next highest rate was in Pennsylvania, with a rate of 7.45 per cent; Oklahoma, with a rate of 3.2 per cent; and Wyoming, with a rate of 3.06 per cent. The lowest case fatality rates were from Washington, with a rate of 0.06 per cent; Minnesota, with a rate of 0.17 per cent; Utah, with a rate of 0.22 per cent; Florida, with a rate of 0.24 per cent; and South Dakota and Michigan, with rates of 0.26 per cent.

**REPORTED PREVALENCE OF CERTAIN DISEASES, BY MONTHS, DURING
LATION; AND FATALITY RATES PER
DIPHTHERIA.**

States.	Estimated population July 1, 1912.	January.		February.		March.		April.		May.		June.		
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Arizona.....	222,563	10	8	18	143	9	156	14	150	19	117	15	122	14
Connecticut.....	1,160,898	174	18	50	1	24	2	17	1	13	1	19	1	1
District of Columbia.....	342,776	44	3	50	1	9	1	6	1	6	1	6	1	1
Hawaii.....	191,909	11	1	11	2	6	1	9	1	6	1	6	1	1
Illinois.....	5,821,305	909	106	757	88	598	97	657	98	579	86	637	85	
Indiana ¹	2,742,117	225	24	194	29	168	24	120	14	95	18	93	7	
Iowa.....	2,223,189	62	15	55	11	53	8	29	3	100	6	26	3	
Kansas.....	1,740,249	91	20	106	16	42	9	38	12	30	7	24	2	
Maryland ²	749,783	101	12	73	7	41	15	39	6	22	3	16	4	
Massachusetts.....	3,491,888	541	58	523	41	416	36	347	28	394	28	349	31	
Michigan.....	2,897,207													
Minnesota.....	2,148,235	94	17	98	25	49	15	63	18	70	15	98	18	
Montana.....	405,734	15		15	1	5		8	3	7		12		
New Jersey.....	2,683,309	391		317		406		274		333		405		
New York.....	9,526,146	1,897	178	1,754	168	1,890	172	1,653	155	1,592	138	1,577	128	
Oklahoma.....	1,850,987	140	17	93	12	55	15	33	3	19		17	1	
Oregon.....	730,736	41	5	42	1		3	16	1	22	3	9		
Pennsylvania.....	7,969,916	1,239		835		734		713		705		585		
Utah.....	394,953	42	5	44	5	51	4	24	1	29	2	19		
Virginia.....	2,107,998	235	6	184	6	127	2	132	9	117	4	86	2	
Wisconsin.....	2,393,081		32		26	4525	31		23		12	376	11	

MEASLES.

Arizona.....	222,563	2	2	1	1	1	1	1	1	1,104	14	628	15
Connecticut.....	1,160,898	483	4	781	16	1,144	18	1,353	28	1,471	14	344	2
District of Columbia.....	342,776	7		18		131	1	236					
Hawaii.....	191,909			1		2		9		18	1	14	1
Illinois.....	5,821,305	371	17	706	9	1,362	25	1,554	29	1,871	19	1,264	21
Indiana.....	2,742,117	8		3		6		17		10		11	
Iowa.....	2,223,189	2		1		3		8		5			
Kansas.....	1,740,249	78	3	434	7	473	10	554	22	663	13	104	2
Maryland ²	749,783	15		100		168	3	332	8	270	6	158	
Massachusetts.....	3,491,888	1,822	12	2,362	26	2,906	31	3,400	31	3,764	36	2,748	39
Michigan.....	2,897,207												
Minnesota.....	2,148,235	7	2	5	1	11	4	4	4	26	1	50	1
Montana.....	405,734	9	1	22	1	87	1	58	1	11	1	41	1
New Jersey.....	2,683,309												
New York.....	9,526,146	4,831	58	6,426	95	10,721	134	11,342	187	11,284	165	7,522	141
Oklahoma.....	1,850,987	15	1	27	1	47	1	230	3	62	3	31	1
Oregon.....	730,736	11		15	1		2	49		55	1	28	
Pennsylvania.....	7,969,916	3,088		2,038		3,194		3,670		4,354		3,286	
Utah.....	394,953	202		143		83		95	2	98		109	2
Wisconsin.....	2,393,081		10		4	4,868	4		8		34	1,856	14

POIOMYELITIS (Acute Infectious).

Connecticut.....	1,160,898	1		1		3						3	
District of Columbia.....	342,776		1									1	
Hawaii.....	191,909												
Illinois.....	5,821,305	13	5	9	1	10	1	4	2	11	2	3	1
Indiana ¹	2,742,117	3	6	4	1	4	1	1	1	1	1	1	1
Iowa ¹	2,223,189		2	1		1		1	2	1	3	1	2
Kansas.....	1,740,249	1				1							
Maryland ²	749,783		2			1			2	1	1		
Massachusetts.....	3,491,888	7	5	3	3	8	4	5	8	15	6	12	9
Minnesota.....	2,148,235		3		2	1	4	2	1	1	1		
New Jersey.....	2,683,309	3		1				1					
New York.....	9,526,146	36	1	58	5	41	9	25	3	21	7	45	3
Oklahoma.....	1,850,987			1									
Oregon.....	730,736			1					1				
Pennsylvania.....	7,969,916	5		2		2		6				2	
Virginia.....	2,107,998	16	2	18	2	21	5	25	5	16	2	17	1
Wisconsin.....	2,393,081		2			42			1		51	4	

¹ The health officer states that cases are known not to be completely reported.

² Exclusive of Baltimore city.

³ Not reported by months.

⁴ Reported during January, February, and March.

THE CALENDAR YEAR 1912; CASE RATES PER ANNUM PER 1,000 POPU-
100 CASES; FOR CERTAIN STATES.

DIPHTHERIA.

July.		August.		September.		October.		November.		December.		Total cases 1912.		Total deaths 1912.		Case rate per annum per 1,000 inhabitants.		Fatality rate per 100 cases.	
Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases	Deaths	Total cases	Deaths	Case rate per annum per 1,000 inhabitants.	Fatality rate per 100 cases.		
2		2		4		6		13		5		70	3	14	0.314	20.00			
90	13	81	11	142	11	216	19	284	25	293	23	1,941	191	1,758	9.84				
20		9	1	15		51	3	75	1	2	393	15	1,146	3.81					
3	3	12	1	13	1	22	2	13	4	17	1	129	17	672	13.17				
531	74	501	60	808	93	1,498	192	1,871	189	1,561	190	10,907	1,358	1,898	12.45				
78	11	247	24	608	64	1,098	99	945	99	702	77	4,573	490	1,667	10.71				
24	3	28	1	66	13	203	23	305	17	99	15	1,050	118	.472	11.23				
20	3	11	4	57	5	88	10	124	18	84	15	715	121	.410	16.92				
31	1	49	8	59	8	109	9	138	19	106	16	784	108	1.045	13.77				
299	29	303	17	370	40	550	49	722	45	619	71	5,433	473	1,555	8.70				
105	14	94	7	99	4	166	14	197	12	179	14	1,312	173	.610	13.10				
16		15	1	6		11		19	7	10		139	12	.342	8.63				
220		230		276		388		653		478		4,371		.481	1.621	11.00			
282	101	1,051	83	976	80	1,639	99	1,892	144	1,938	168	18,141	1,641	1,904	9.04				
11		52	3	93	11	147	16	131	16	27	15	918	109	.495	11.87				
5	2	6	2	5	2	2		1	11	2	15	2	192	24	.262	12.50			
501		696		1,053		1,783		1,902		1,618		12,364		1,551					
14	1	14	1	14	1	24	1	32	21	1	32	24	833	7.31					
81		168	9	322	12	638	19	479	13	306	9	2,875	92	1,363	3.20				
	13		14	353	15	33		31	7,659	28	1,913	269	.795	14.06					

MEASLES.

1		2		1		14		24		8	12						
326	13	50	2	29		118	1	159		362	5	6,537	116	5,630	1.77		
160	3	30		25		8		35		173	1	1,638	7	4,778	.42		
22	2	24		56		26		27		5	1	204	5	1,063	2.45		
725	14	209	13	120	3	279	7	657	10	1,274	22	10,392	189	1,785	1.81		
6		3		1		1		1		3		69					
												20					
71	2	10				1	14		44		2,445	60	1,404	2.45			
91	3	50		2		9		108		374		1,675	20	2,233	1.20		
1,063	32	320	8	190	4	570	10	1,165	14	2,113	43	22,423	286	6,421	1.27		
												2,834		963	3.38		
20	2	12	2	3		34		111	1	206	2	489	20	.227	4.08		
11	1	5		8		6		20	1	3		281	7	.692	2.49		
												296					
3,684	95	1,156	55	575	23	1,203	16	2,485	29	4,070	51	65,299	1,049	6,854	1.60		
2	2	17	3	24	1	17	4	9	1	42	523		21		.282	4.01	
4	1											11		236	2.89		
1,938		746		633		1,992		3,811		5,965		34,715		4,330			
72		15		22		346		876	1	1,056	6	3,117	11	7,892	.35		
	5		4	241		2		3	7	268	4	3,233	92	1,350	2.84		

POLIOMYELITIS (Acute infectious).

6		9		2		4	1	2	1	1		31		0.026				
1		2	1									9	4	0.026	44.44			
26	1	113	11	146	17	90	6	38	8	17	1	480	56	.082	11.66			
3	26	8	23	8	7	6	6	16	4	8	6	92	41	.033	44.56			
1	8	2	28	10	24	11	10	3	2	1	77	37	.034	48.05				
7	2	32	3	12	1	15	5	4			72	11	.041	15.55				
7	3	10	3	6	2	3	1				32	16	.042	50.00				
34	14	28	4	25	6	21	7	10	5	1	169	76	.048	44.97				
2	3	4	1	6	2	2	3	3	2	1	22	23						
7		7		9		4		6		3		44		.18	41.36			
119	17	223	41	253	37	176	38	80	16	31	3	1,108	180	.116	16.24			
		2	2	5	1	5	1	1	1	1		14	6	.007	42.85			
		1				2		3				5						
13		31		39		39		12		7		163		.020				
24	2	29	3	16		16	1	18	1	13		229	24	.108	10.48			
		6	18	3		3		4		4	33	4	54	21	.022	38.88		

⁶ Reported during April, May, and June.⁸ Reported during July, August, and September.⁷ Reported during October, November, and December.

**REPORTED PREVALENCE OF CERTAIN DISEASES, BY MONTHS, DURING
LATION; AND FATALITY RATES PER 100
SCARLET FEVER.**

States.	Estimated population July 1, 1912.	January.		February.		March.		April.		May.		June.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Arizona.....	222,563	33	20	22	9	30	17	30	17	167	7	108	4
Connecticut.....	1,160,898	186	10	194	8	228	13	187	6	17	1	9	1
District of Columbia.....	342,776	43	1	30	1	18	1	13	1	17	1	1	1
Hawaii.....	191,909	3	2	1									
Illinois.....	5,821,305	896	45	1,009	50	1,300	70	1,287	72	1,181	65	983	67
Indiana ¹	2,742,117	294	7	401	14	353	6	12		4	146	5	
Iowa.....	2,223,189	120	9	117	5	104	18	137	8	58	6	31	2
Kansas.....	1,740,249	202	7	248	7	163	6	137	6	90	6	47	1
Maryland ²	749,783	111	4	64	3	59		25	1	15		10	
Massachusetts.....	3,491,888	653	9	569	17	586	14	504	12	421	11	254	3
Michigan.....	2,897,207												
Minnesota.....	2,148,235	187	19	137	11	164	16	199	15	156	9	139	10
Montana.....	405,734	86	7	70		53	4	58	4	41	2	26	
New Jersey.....	2,683,309	381		434		530		399		416		343	
New York.....	9,526,146	1,916	68	2,351	82	3,141	129	2,781	135	2,321	95	1,506	76
Oklahoma.....	1,850,987	116	4	116	6	73	6	35	1	60	2	54	
Oregon.....	730,736	59	2	76	2	62	1	62	4	59	2	35	1
Pennsylvania.....	7,969,916	670		663		772		928		845		625	
Utah.....	394,953	178		166		155	5	66	4	74	4	50	1
Virginia.....	2,107,998	233		152		100		91		56		66	
Wisconsin.....	2,393,081	38		44	1,465	38		41		19	5	876	16

TUBERCULOSIS.

Connecticut.....	1,160,898	114	115	168	118	131	124	161	118	186	142	157	121
District of Columbia.....	342,776	106	74	102	66	141	85	116	79	119	94	105	77
Hawaii ¹	191,909	49	38	47	29	30	34	46	27	35	28	48	27
Illinois.....	5,821,305	590		598		659		575		528		478	
Indiana.....	2,742,117		300		326		376		306		314		236
Iowa.....	2,223,189		149		146		163		139		130		118
Kansas ¹	1,740,249	209	98	73	84	101	102	88	99	78	76	204	73
Maryland ²	749,783	282	100	263	97	266	89	325	102	254	94	210	79
Massachusetts.....	3,491,888	550	461	683	434	792	501	837	517	751	438	716	438
Michigan.....	2,897,207												
Minnesota.....	2,148,235	74	215	83	200	72	230	55	245	67	252	195	182
Montana ¹	405,734	29		29		42		30		32		37	
New Jersey.....	2,683,309	446		357		367		384		366		499	
New York.....	9,526,146	2,527	1,387	2,630	1,447	2,687	1,643	2,598	1,589	3,005	1,489	2,615	1,266
Oklahoma.....	1,850,987	96	68	101	78	99	77	106	76	85	49	117	100
Oregon.....	730,736	14	60	23	48	23	14	20	64	50	20	20	53
Pennsylvania.....	7,969,916	980		1,017		1,029		1,108		1,156		1,058	
Utah ¹	394,953	8	13	8	9	9	13	7	8	7	11	5	10
Virginia.....	2,107,998	400	129	390	141	462	157	444	130	379	107	407	124
Wisconsin ¹	2,393,081	203		224	4	326	242	243		237	6	308	195

TYPHOID FEVER.

Arizona.....	222,563	7	2	4	24	9	2	6	1	68	13	53	6
Connecticut.....	1,160,898	31	7	28	4	24	9	40	6	68	13	53	6
District of Columbia.....	342,776	32	8	22	1	20	1	27	4	27	2	23	2
Hawaii ¹	191,909	6	7	7		12	3	11	5	9	3	31	3
Illinois.....	5,821,305	256	47	379	141	330	57	230	54	229	48	226	54
Indiana.....	2,742,117	131	29	264	41	214	39	209	31	191	35	153	29
Iowa.....	2,223,189	20		18		23		16		18		13	
Kansas ¹	1,740,249	39	17	40	23	35	13	27	15	23	9	48	19
Maryland ²	749,783	118	19	57	9	54	13	54	13	35	7	51	3
Massachusetts.....	3,491,888	86	18	75	12	77	13	92	16	128	15	164	26
Michigan.....	2,897,207												
Minnesota.....	2,148,235	29	24	154	16	67	18	20	18	38	20	73	20
Montana.....	405,734	14	6	10	1	10	1	8	8	10	2	15	1
New Jersey.....	2,683,309	71		81		58		66		52		76	
New York.....	9,526,146	483	107	316	70	336	68	434	68	414	84	289	67
Oklahoma.....	1,850,987	97	24	50	11	57	9	45	12	49	10	160	16
Oregon.....	730,736	13	4	16	4	11	2	12	7	12	4	17	6
Pennsylvania.....	7,969,916	691		375		581		297		348		302	
Utah.....	394,953	7	3	11	1	9		10	1	29		43	6
Virginia.....	2,107,998	216	24	124	11	99	8	142	5	203	15	352	16
Wisconsin.....	2,393,081	46		31	445	31		22		24	183	14	

¹ The health officer states that cases are known not to be completely reported.

² Exclusive of Baltimore city.

³ Not reported by months.

⁴ Reported during January, February, and March.

THE CALENDAR YEAR 1912; CASE RATES PER ANNUM PER 1,000 POPU-
CASES; FOR CERTAIN STATES—Continued.

SCARLET FEVER.

July.		August.		September.		October.		November.		December.		Total cases 1912.		Total deaths 1912.		Fatality rate per 100 cases.	
Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases 1912.	Total deaths 1912.	Case rate per annum per 1,000 inhabitants.	Case rate per annum per 1,000 inhabitants.		
76	3	45	3	1	6	113	6	186	10	262	13	146	3	13	1,655	8.90	
2	2	8	13	12	4	32	2	64	1	259	4	87	1,568	4.77			
594	38	540	43	530	36	963	48	1,203	59	1,459	102	11,945	695	2,051	5.81		
71	2	126	3	203	5	325	10	388	12	408	19	2,715	99	.990	3.64		
21	1	16	24	1	47	2	52	1	77	2	804	55	.361	6.84			
67	27	2	80	2	188	4	186	6	305	13	1,740	60	.982	3.44			
42	15	35	1	94	71	2	67	608	11	810	1,613	2.09	1.80				
174	4	169	2	229	4	447	8	577	9	1,050	25	5,633	118	1,613	2.09		
92	4	63	2	69	2	121	3	151	5	215	8	1,693	104	.788	6.14		
20	1	5	13	20	1	30	3	40	2	462	24	1,138	51	1.38			
131	1	135	140	215	319	505	3	3,948	3	146	1,471	3	.369				
755	42	423	29	453	13	669	26	906	28	1,483	59	18,705	782	1,963	4.18		
17	1	13	55	2	76	131	4	118	3	864	29	466	3	.35			
10	2	9	14	2	30	47	82	3	545	19	.745	3	.48				
396	—	347	—	398	—	712	—	986	—	1,103	—	8,445	—	1,059	—		
40	1	30	31	72	93	2	69	1	1,024	18	2,592	1.75	—				
76	1	118	177	369	435	358	1	2,231	2	1,058	.09	—					
19	—	10	6	333	4	12	18	7	633	17	3,307	276	1.381	8.34			

TUBERCULOSIS.

174	110	108	98	136	95	140	106	120	114	140	112	1,735	1,373	1,494	79.13	
112	76	90	56	86	46	89	61	90	64	89	59	1,245	837	3,632	67.22	
37	24	33	25	51	27	37	30	29	25	42	30	484	344	2,522	71.07	
447	—	441	—	448	—	443	—	446	—	497	—	6,150	—	—	—	
261	—	243	—	200	—	233	—	216	—	243	—	3,254	—	—	—	
114	—	115	—	84	—	76	—	101	—	117	—	1,452	—	—	—	
54	77	74	72	38	43	66	67	40	55	62	61	1,087	907	.624	83.44	
322	72	293	77	302	83	255	78	248	85	242	89	3,262	1,045	4,338	32.03	
600	414	642	377	581	379	61	364	627	344	605	400	7,995	5,067	2,289	63.37	
132	190	124	138	113	151	156	139	148	154	195	190	1,414	2,286	—	—	
22	—	25	21	—	34	—	44	—	32	—	371	—	—	—	—	
414	—	464	—	451	—	616	—	554	—	475	—	5,393	3	4,166	2,000	
2,624	1,209	2,317	1,177	2,457	1,068	2,630	1,151	2,136	1,157	2,285	1,224	30,529	15,797	3,204	51.74	
102	61	83	48	69	47	78	46	60	50	83	56	1,079	756	.582	70.06	
5	41	12	39	23	46	34	47	26	30	18	52	218	544	—	—	
1,055	—	958	—	802	—	743	—	695	—	883	—	11,484	—	1,440	—	
5	8	9	5	10	13	7	7	14	11	13	13	102	121	—	—	
412	124	370	105	354	96	333	97	333	111	340	114	4,624	1,435	2,193	31.03	
184	—	154	—	304	150	—	138	—	171	7	267	190	1,205	2,331	—	—

TYPHOID FEVER.

3	4	10	7	2	32	32	3	22	—	—	—	—	—	—	—	—
117	13	158	13	123	17	124	15	98	10	60	15	924	128	.795	13.85	
42	11	118	9	96	15	63	11	65	8	50	6	585	78	1,706	13.33	
19	8	27	2	21	4	10	2	14	—	10	3	177	40	.922	22.59	
292	54	386	80	559	87	624	102	401	68	212	58	4,124	850	.708	20.61	
245	32	418	71	643	93	—	32	—	82	—	43	2,468	557	.900	22.56	
17	—	19	—	28	—	39	—	24	—	24	—	259	—	—	—	
119	36	281	51	237	52	197	52	123	38	65	20	1,234	345	.709	27.95	
150	2	359	23	299	33	337	35	172	32	109	30	1,795	229	2,387	12.75	
178	20	313	28	348	31	323	34	165	30	136	26	2,088	269	.597	12.88	
57	15	72	23	106	20	138	29	78	21	41	9	873	233	.406	26.68	
18	4	64	6	73	10	42	4	28	4	16	5	308	52	.759	16.88	
56	—	390	—	283	—	210	—	94	—	136	—	1,573	3	328	.586	
521	79	1,007	121	982	137	836	143	413	89	387	79	6,418	1,112	.673	17.31	
308	44	531	64	485	57	384	50	222	47	152	35	2,540	379	1,372	14.92	
14	14	25	10	29	10	50	9	65	9	93	9	357	88	.475	24.64	
459	—	750	—	715	—	978	—	433	—	414	—	6,343	—	.795	—	
60	5	104	5	133	13	88	14	33	6	22	3	549	57	1,390	10.38	
520	23	825	34	671	43	601	33	333	21	244	27	4,330	260	2,054	6.00	
15	—	180	—	180	—	25	—	20	7	199	28	1,007	292	.420	28.99	

⁵ Reported during April, May, and June.⁶ Reported during July, August, and September.⁷ Reported during October, November, and December.

SMALLPOX.

Reported prevalence by quarters during the calendar year 1912, case rates per annum per 1,000 population, and fatality rates per 100 cases, for certain States.

States.	First quarter.		Second quarter.		Third quarter.		Fourth quarter.		Total.		Estimated population July 1, 1912.	Case rate per annum per 1,000 inhabitants.	Fatality rate per 100 cases.
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.			
Alabama ¹							111	1	111	1	2,207,283		
Arizona.....	46	4					45	95	15	222,563	0.426	15.78	
California.....	305	2	250	1	138	11	126	2	819	16	2,577,137	.317	1.95
Colorado.....	71		139		21		15		246		857,016	.287	
Connecticut.....	69		247		10		3		329		1,160,898	.283	
District of Columbia.....		2					7		9		342,776	.026	
Florida.....	576		228	2			17		821	2	802,729	1.022	0.24
Hawaii.....				6					6		191,909	.031	
Illinois.....	496	4	365	5	108	2	275	1	1,204	12	5,821,305	.206	0.99
Indiana ⁴	484	5	304	5	46		348	2	1,182	12	2,742,117		
Iowa.....	135		149	1	45		101	1	430	2	2,223,189	.193	0.46
Kansas.....	173	1	76		56	2	55	1	360	4	1,740,249	.206	1.11
Maine.....	219		215	3	70		150	1	654	4	753,085	.868	0.61
Maryland ⁵							20		20		749,783	.026	
Massachusetts.....	29		137		15		37	1	218	1	3,491,888	.062	0.45
Michigan.....									1,127	3	2,897,207	.389	0.26
Minnesota.....	750	3	702		164		704	1	2,320	4	2,148,235	1.079	0.17
Mississippi ²	468	2							468	2	1,852,092		
Montana.....	125		59		15		65		264		405,734	.650	
New Jersey.....	3		4	2	1		2		10	2	2,682,309	.003	20.00
New York.....	320	2	98		101		375	2	894	4	9,526,146	.093	0.44
North Carolina.....	859		311		147		357		1,374		2,276,165		
North Dakota.....	120		68		27		111		326		634,731	.513	
Ohio.....	208	1	207		106		178		699	1	4,903,439	.142	0.14
Oklahoma.....	138	15	202		15		113		468	15	1,850,987	.225	3.20
Oregon.....	286	2	179		20		213	1	698	3	730,736	.955	0.42
Pennsylvania.....	72	2	121		197	30	106	5	496	37	7,969,916	.062	7.45
South Dakota.....	138	1	119		28		90		375	1	624,658	.600	0.26
Texas.....	347	56	118	33	76	11	176	26	717	126	4,086,141	.175	17.57
Utah.....	1,013		711	4	241	2	735		2,700	6	394,953	6.836	0.22
Vermont.....	83		41		20		110		254		358,710	.708	
Virginia.....	447	16	359	3	168		115		1,089	19	2,107,998	.516	1.74
Washington.....	507		274		185		481	1	1,447	1	1,281,508	1.121	0.06
Wisconsin.....	236	1	183	1	108	1	284		811	3	2,393,081	.338	0.36
Wyoming.....	143	4	17	1	1		2		163	5	157,914	1.032	3.06
Total.....	8,826	117	5,889	61	2,135	59	5,227	46	23,204	301			

¹ Report received fourth quarter only.

² Report received first quarter only.

³ The report for the fourth quarter was for the month of October only, as but few of the existing cases were reported to the health authorities after the State ceased to require the quarantining of cases. To note the few cases being reported would, in the opinion of the State health officer, give an insufficient idea of the prevalence of the disease in the State.

⁴ The health officer states that cases are known not to be completely reported.

⁵ Exclusive of Baltimore City.

REPORTED PREVALENCE OF CERTAIN DISEASES, BY MONTHS, DURING THE FIRST SIX MONTHS OF 1913; CASE RATES
PER ANNUM PER 1,000 POPULATION; AND FATALITY RATES PER 100 CASES; FOR CERTAIN STATES.

DIPHTHERIA.

States.	Estimated population Apr. 1, 1913.	January.		February.		March.		April.		May.		June.		Fatality rate per 100 cases.		
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.			
Arizona	228,747	1		20	7	23	1	14	188	21	1	20	136	10	2,082	
Connecticut	1,176,569	303	31	219	31	4	35	1	30	4	67	1	256	14	1,540	
District of Columbia	346,732	56	3	21	6	2	9	1	189	4	8	1	37	1	531	
Hawaii	4,191,909	21	1	66	32	48	24	147	23	145	30	129	21	51	5	9,80
Indiana	2,756,123	428	66	332	48	18	97	18	109	10	61	9	36	21	934	15,47
Iowa	2,222,651	117	32	97	18	74	10	109	12	130	13	24	5	303	86	444
Kansas	1,756,982	71	22	59	16	55	13	39	14	55	13	32	4	344	87	344
Maryland ¹	4,149,738	88	11	73	10	51	6	42	5	586	566	487	4	3,996	36	915
Massachusetts	3,834,501	605	6	562	6	592	6	566	6	586	566	487	6	2,181	1,921	1,422
Michigan	2,926,786	222	18	223	14	23	23	240	32	265	17	200	12	3,298	13,66	
Minnesota	2,172,886	14	2	13	1	12	1	15	1	449	4	1	9	1,361	116	1,252
Montana	415,814	593	44	429	44	450	64	449	41	576	46	433	1	67	6	8,52
New Jersey	2,732,942	170	170	1,907	210	1,909	216	1,870	204	1,865	170	1,660	38	2,930	38	322
New York	9,666,251	1,911	14	1,907	17	10	55	7	31	3	23	5	15	156	1,126	2,144
Oklahoma	1,916,517	88	14	72	19	2	24	3	6	1	10	1	18	2	283	1,230
Oregon	750,424	72	1,218	1,065	1,065	1	915	907	842	11	743	10	149	9	45	294
Pennsylvania	8,073,435	1,218	19	2	20	4	11	1	28	3	55	3	5,690	10	99	13,90
Utah	402,290	240	11	140	18	575	22	7	77	2	21	4	63	1	676	32
Virginia	2,123,752	31	1	31	1	31	1	7	101	7	55	4	27	17	1,053	136
Wisconsin	2,413,194															1,408

¹ The health officer states that cases are known not to be completely reported.

² Exclusive of Baltimore city.

³ Not reported by months.

⁴ Population July 1, 1912.

⁵ Reported during January, February, and March.

⁶ Reported during April, May, and June.

REPORTED PREVALENCE OF CERTAIN DISEASES, BY MONTHS, DURING THE FIRST SIX MONTHS OF 1913; CASE RATES PER ANNUM PER 1,000 POPULATION; AND FATALITY RATES PER 100 CASES; FOR CERTAIN STATES—Continued.

MEASLES.

States.	Estimated population Apr. 1, 1913.	January.		February.		March.		April.		May.		June.		Total cases six months.	Total deaths six months.	Case rate per annum per 1,000 inhabitants.
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.			
Arizona.	228,747	32		619	6	821	11	1,113	17	1,029	8	693	3	88	36	8.27
Connecticut.	1,176,558	591	2	1,400	2	2,110	8	1,982	4	329	6	131	1	4,866	61	8.48
District of Columbia.	346,752	631	2	1,901	4	1,9	17	1,17	8	17	1	56	1	5,633	23	32.48
Hawaii.	2,756,123	123		26		52		84		83		91		49	1	1.156
Indiana.	2,222,651			2												.90
Iowa.	1,756,982	229	5	1,115	9	2,024	14	1,860	37	2,024	20	104	4	7,456	101	8.486
Kansas.	1,749,788	281	3	694	7	1,233	10	1,194	23	851	18	508	12	4,791	73	12.478
Maryland ¹ .	3,634,501	3,286		4,412		5,206		5,580		4,449		2,846		25,729		14.558
Massachusetts.	2,926,768	338														1.55
Michigan.	2,172,866															2.255
Minnesota.	415,814	43	1	171	1	375	4	408	5	400	11	392	24	5,150	158	4.763
Montana.	9,666,251	6,609	99	7,920	88	9,877	152	10,611	132	11,117	176	131	1	1,528	11	3.348
New York.	1,916,817	54	1	394	14	952	8	1,155	26	1,589	22	250	13	54,391	778	11.252
Oklahoma.	730,424	28		186		2		28		52		184		3,284	94	3.580
Oregon.	8,073,456	10,362		13,041		14,682		10,620		6,061		3,162		57,586	2	1.428
Pennsylvania.	402,290	2,001	16	2,620	27	2,039	20	2,034	24	1,84	23	677	6	10,555	14,350	.37
Utah.	2,413,194		5		7	4,1572	16		25		14	3,227	18	4,799	85	52.474
Wisconsin.																1.77

POLIOMYELITIS (Acute infectious).

Arizona.	228,747			1										1		0.008
Connecticut.	1,176,558			1										2		.004
District of Columbia.	346,752	1		1										1		.010
Hawaii.	* 191,908			1										1		1
Indiana.	2,756,123	3	6	3	4	3	2	2	5	3	1	1	2	20	14	.014
Iowa ⁴ .	2,222,651	2	1	1	1	1	1	1	1	1	1	1	1	6	6	.004
Kansas.	1,756,982	5	1	1	1	1	1	1	1	1	1	1	1	7	6	.006
Maryland ¹ .	1,327,488			1										1	1	.42.85

Massachusetts	3,534,501	4	4	1	4	4	2	2	6	1	2	1	21	15	.01
Minnesota	2,172,866	2	4	1	1	2	2	2	6	1	1	3	3	15	.04
Montana	415,814														.03
New Jersey	2,732,932	2	1	6	1	5	1	3	4	3	1	1	19	8	.016
New York	9,866,251	21	11	8	4	6	4	11	9	18	4	15	6	38	.016
Oklahoma	1,916,817	2	2	1	4	4	6	5	11	1	1	1	6	7	.016
Pennsylvania	8,073,495	5	17	6	21	4	10	5	22	11	1	4	18	35	.004
Virginia	2,123,752	17	6	21	4	8	2	5	22	11	1	4	16	108	.000
Wisconsin	2,413,194	2	2	1	1	1	1	1	1	1	1	4	2	8	.008

SCARLET FEVER.

Alabama	2,230,781	9	5	3	20	401	18	252	5	231	9	2	26	34	.226
Arizona	228,747	416	23	328	20	88	3	49	1	48	2	203	5	1,831	15.46
Connecticut	1,176,569	416	3	60	2	1	1	1	1	21	1	21	1	347	3.53
District of Columbia	346,732	86	1	1	1	1	1	1	1	1	4	4	4	12	3.45
Hawaii	2,191,908	1	1	1	1	1	1	1	1	1	1	1	1	1	25.00
Indiana	2,756,123	564	13	699	24	641	38	578	24	357	20	20	16	3,159	135
Iowa	2,222,651	111	13	134	7	141	14	122	9	95	5	36	1	639	.574
Kansas	1,756,932	233	7	194	10	213	11	124	5	213	7	47	3	43	1.164
Maryland	2,749,783	82	2	78	10	62	30	30	3	30	3	31	1	313	6
Massachusetts	3,534,501	961	933	1,017	1,017	812	812	812	721	721	521	521	521	4,975	.833
Michigan	2,926,786	261	9	362	11	336	31	316	27	394	13	27	223	329	.814
Minnesota	2,172,866	263	9	38	11	120	11	158	24	155	13	13	14	2,293	1.10
Montana	415,814	38	9	68	2	572	25	700	33	568	28	33	11	616	5.18
New Jersey	2,732,932	20	2	712	86	2,183	86	2,730	130	2,094	122	126	1,310	1,461	11.36
New York	9,866,251	2,221	89	117	1	214	2	102	102	2,037	28	27	1,775	3,473	4.20
Oklahoma	1,916,817	121	2	86	4	86	2	46	1	31	1	49	2	609	2,642
Oregon	750,424	86	2	66	1,147	1,328	2	1,113	1,268	976	31	31	2	364	1.14
Pennsylvania	8,073,495	1,266	1	106	4	101	3	68	60	41	1	1	7	998	.634
Utah	402,269	96	1	184	1	106	1	106	60	42	42	42	5	531	1.970
Virginia	2,123,752	234	1	38	4,137	23	26	26	23	20	5	5	5	681	8
Wisconsin	2,413,194	23	1	38	4,137	23	26	26	23	20	5	5	5	1,958	1.622

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REPORTED PREVALENCE OF CERTAIN DISEASES, BY MONTHS, DURING THE FIRST SIX MONTHS OF 1913; CASE RATES PER ANNUM PER 1,000 POPULATION; AND FATALITY RATES PER 100 CASES; FOR CERTAIN STATES - Continued.

TUBERCULOSIS.

States,	Estimated population Apr. 1, 1913.	January.		February.		March.		April.		May.		June.		Total cases six months.	Total deaths six months.	Case rate per annum per 1,000 inhabitants.					
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.								
Connecticut.....	1,176,569	207	124	148	73	191	98	135	73	172	141	182	105	160	126	1,030	764	1,752	74.17		
District of Columbia.....	336,732	127	60	103	58	28	47	26	37	53	30	30	50	111	61	482	3,846	452	3,846	67.75	
Hawaii 1.....	181,969	35	29	280	280	139	102	102	360	360	123	123	137	317	51	28	204	180	3,062	61.22	
Indiana.....	2,756,123	209	120	275	106	83	51	275	106	274	97	274	97	84	68	136	289	1,880	1,880	1,880	
Iowa.....	2,222,656	139	95	275	97	275	97	275	106	274	97	274	97	93	84	52	126	763	763	763	
Kansas 1.....	1,786,992	77	55	275	106	61	51	275	106	274	97	274	97	93	84	99	248	1,729	418	418	
Maryland 2.....	1,749,783	274	97	616	648	159	180	180	372	372	719	719	719	719	719	747	108	1,729	595	4,612	
Massachusetts.....	3,534,501	156	140	195	148	190	159	195	148	195	222	188	228	228	228	204	212	214	4,324	4,324	2,446
Michigan.....	3,926,766	156	140	195	148	190	159	195	148	195	232	188	232	232	232	204	212	214	4,198	4,198	4,1,376
Minnesota.....	2,172,866	156	140	195	148	190	159	195	148	195	232	188	232	232	232	204	212	214	1,253	1,253	1,253
Montana 1.....	415,814	24	24	30	30	40	30	30	30	30	57	57	72	72	31	31	44	31	35	35	35
New Jersey.....	2,732,932	688	373	575	373	617	424	731	373	373	367	367	367	367	367	411	749	313	4,206	2,280	3,078
New Mexico.....	386,844	24	24	30	30	40	30	30	30	30	57	57	72	72	31	31	44	31	35	35	35
New York.....	9,866,261	2,765	1,382	2,834	1,411	3,113	1,639	3,011	1,561	2,834	3,011	1,561	2,834	2,834	2,834	2,834	232	232	232	232	232
Oklahoma.....	1,916,817	69	50	84	73	84	78	84	73	84	78	84	78	78	78	67	62	66	66	66	66
Oregon 1.....	750,424	24	24	30	30	40	30	30	30	30	57	57	72	72	31	31	44	31	35	35	35
Pennsylvania.....	8,073,435	979	77	802	802	1,034	1,034	1,034	1,034	1,034	1,086	1,086	1,086	1,086	1,086	1,030	1,027	1,027	5,958	5,958	5,958
Utah 1.....	402,280	6	6	11	12	12	10	10	10	10	14	14	12	12	12	10	18	9	6	6	6
Virginia.....	2,123,752	399	126	388	126	388	126	388	126	388	356	356	356	356	356	220	233	113	395	395	395
Wisconsin 1.....	2,413,194	199	199	203	203	345	244	203	203	203	244	244	244	244	244	233	6487	224	1,323	1,323	1,323

TYPHOID FEVER.

Arizona.....	228,747	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Connecticut.....	1,176,569	46	4	30	7	11	3	42	3	45	8	41	7	41	7	41	7	41	7	41	
District of Columbia.....	336,732	25	4	9	4	15	3	12	2	17	2	65	2	65	2	65	2	65	2	65	
Hawaii 1.....	191,969	10	6	26	4	23	3	26	2	17	2	3	2	3	2	3	2	3	2	3	
Indiana.....	2,756,123	74	26	81	25	53	27	117	27	81	27	96	27	96	27	96	27	96	27	96	
Iowa.....	2,222,651	32	13	35	17	13	15	15	15	17	15	15	15	15	15	15	15	15	15	15	
Kansas 1.....	1,756,992	32	13	35	17	13	15	15	15	17	13	15	15	15	15	15	15	15	15	15	
Utah 1.....	402,280	7	6	11	12	12	10	10	10	10	14	14	12	12	12	10	18	9	6	6	6
Virginia.....	2,123,752	399	126	388	126	388	126	388	126	388	356	356	356	356	356	220	233	113	395	395	395
Wisconsin 1.....	2,413,194	199	199	203	203	345	244	203	203	203	244	244	244	244	244	233	6487	224	1,323	1,323	1,323

Maryland ²	3 749,783	105	12	102	7	70	20	93	7	92	14	153	19	615	79	1,634	12.84
Massachusetts	3,534,501	156	.....	137	.....	16	.....	33	14	50	9	25	5	53	.....	.....	.....
Michigan	2,926,766	48	17	63	4	39	3	39	4	20	6	21	3	17	1	4,195	384
Minnesota	2,172,866	21	17	21	4	53	8	47	8	66	9	107	16	60	14	700	27.85
Montana	415,814	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Jersey	2,752,942	86	14	53	8	221	47	189	55	404	46	348	63	222	14	1,195	24.54
New York ³	9,686,251	257	34	221	9	25	5	139	8	63	19	192	14	517	68	478	27.85
Oklahoma	1,916,817	60	19	38	9	17	4	27	2	11	3	9	1	6	1	254	13.37
Oregon	750,524	22	5	17	4	.....	.....	242	22	306	31	395	473	.....	.....	.....	.....
Pennsylvania	8,073,435	450	411	13	1	1	1	22	2	31	3	21	1	37	4	2,277	16
Utah	402,290	11	11	212	7	123	9	135	5	272	11	725	23	135	12	564	17.39
Virginia	2,123,752	145	11	212	7	123	9	135	5	272	11	725	23	1,612	66	670	8.88
Wisconsin	2,413,194	24	17	5 115	17	21	19	6 174	13	289	111	238	4,09	38.40

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² Exclusive of Baltimore city.

³ Population July 1, 1912.

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